

CONFIDENTIAL

P-131

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3 August 1954

MEMORANDUM FOR: THE RECORD

SUBJECT

: Meeting at

[Redacted]

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1. Time and Place of Meeting: 28 July 1954 in the offices of

[Redacted]

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2. Attendance:

[Redacted]

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Also present for parts of the discussion was:

[Redacted]

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3. Purpose: To introduce APD engineers to the facilities and personnel available [Redacted] and to discuss the contract status with respect to the responsibilities [Redacted]

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4. Discussion and Conclusions

a. The security clearance requirements for personnel at

[Redacted] It was concluded that personnel of the following sections should be cleared so that [Redacted] facilities could be used for the development of hardware.

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Engineering - plus [Redacted] secretary
Shop
Drafting
Bookkeeping

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The clearance for [Redacted] accountant, should be obtained as soon as possible. [Redacted] does not as yet have a mail channel. It is also very important that the proper accounting, bookkeeping, and billing procedures be discussed with [Redacted] is planning a trip to Washington to discuss these matters with [Redacted]

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NO CHANGE IN CLASS. ☐


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NEXT REVIEW DATE:

AUTH: HR 70-2

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b. Plans for the infrared counter were discussed with  present. It was tentatively decided that the device would consist of a separate detector and source with a range of 75 feet, an unattended time of at least two days, and a total weight of ten pounds. The counter should be accurate to 5%. After much discussion, it was concluded that the separate detector and source design had the advantages of: lower cost because the expensive corner reflector was not required; lower source power because distance of infrared beam travel would be halved; detector would not have to be insulated from the noise due to source in some package. Furthermore, the advantages of the design requiring placement of the source and detector in the same package are simpler alignment and the necessity for only one power supply.

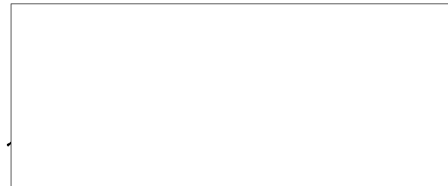
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5. Action

a. APD will modify the contract to cover the procurement and testing of new devices and components that may be of interest. A general services task has been suggested.

b. APD will provide transmission curve for XRX-30 filter.

c. APD will consider the specification for the maximum counting capacity desired for the infrared counter.



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Distribution:

P-151 - Orig.

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KK:mro

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Additional Remarks

1. [] in addition to its general office. At present, the largest and newest plant, a single story brick structure, is completely occupied at the crystal grinding and mounting business. Directly across the street from this plant is a remodeled two story house containing the engineering and development workers connected with crystal application and improvement. This house also contains the office of []

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At another location in town are located the two other facilities. One is a large two story house, occupied presently only on the first floor, which contains the laboratory engaged in CdS pilot production and the offices of [] The other facility is a two story plant presently unoccupied except for one laboratory growing CdS crystals. This plant is provided with a wire fence, guard house, and other physical security provisions.

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2. It appeared that there is presently not a large group available for our work. Directly in charge in [] who will be assisted by [] will give technical supervision only since he is apparently occupied with running the crystal plant. [] has at his disposal three electronic technicians or engineers who are presently working full time with him and [] on CdS and other work. In addition, it is possible that some work may be done in the engineering and development shop of the crystal plant.

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3. It should be noted that of the five parts of the proposal of Task I, [] only two parts cover fields in which [] has experience at present. These are Parts I and V on Binary Compound Investigation ("particularly CdS") and Devices Employing Binary Compound Materials. It may or may not turn out that []

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Such production is not covered by the present Task I and would have to be covered by additional tasks.

Possibly it would be advisable to follow the course taken by NDRC during WW II in regard to testing of I. R. components

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